

WHAT IS CLAIMED IS:

1. A locking device for a plane machine, said plane machine comprising a bottom base, four posts positioned at four corners of said bottom base, a machine base combined with said four posts at four corners by means of four rings, a threaded rod engaged with a center portion of one lateral side of said machine base, a rotating button fixed with an upper end of said moving rod for rotating said moving rod so as to move up and down said machine base, and a locking device combined on said machine base, said locking device comprising:

Two rod bases respectively fixed on an upper surface of two sides - the left and the right side - of said machine base and having a shaft hole:

An actuating rod having two ends respectively fitting in said shaft hole of each said rod base, possible to move lengthwise in line, a left end of said actuating rod having an insert rod extending upward:

20 A handle of an L shape having an inner end pivotally connected with an upper surface of a left side of said machine base, having a rectangular hole in the inner end for said insert rod of said actuating rod to fit therein pivotally, said handle possible to be pushed inward to a locking position to force said actuating rod to move lengthwise in line for a preset distance:

Two side bases respectively positioned limitedly

on an upper surface of the two sides of said machine base, possible to move limitedly in the same direction as said actuating rod, having an urging block respectively at two sides, each said urging block provided with an urging 5 surface in an outer side, said side bases respectively further having its intermediate portion pivotally connected with two ends of said actuating rod:

Said two side bases urged by said spring to bias a bit to the right side of said machine base when said 10 locking device is in a normal not-locking condition, said handle pushed inward to force said actuating rod to move said two side bases nearer the center of said machine base when said machine base is wanted to be locked against said posts, said urging blocks of said two side 15 bases accordingly pressed to move to push against the inner wall of each said post so as to lock said machine base with said posts.

2. The locking device for a plane machine as claimed in Claim 1, wherein said actuating rod has its 20 right end fitted around with a spring, and said spring has two ends respectively limitedly located between an outer wall edge of said rod base and the pivotal connect point of said actuating rod together with said side base so as to let said handle return to its normal not-locking 25 position.

3. The locking device for a plane machine as claimed in Claim 1, wherein said side bases respectively

have its two sides provide with a limit groove extending in the moving direction of said actuating rod, a screw fitting in said limit groove and then screwing in said machine base so as to move limitedly therein.

5        4. The locking device for a plane machine as claimed in Claim 1, wherein each said side base has its intermediate portion provided with a pivot stud upward, and said pivot studs respectively pivotally connected with two ends of said actuating rod lengthwise.

10        5. The locking device for a plane machine as claimed in Claim 1, wherein one of said two urging blocks of each said side base is stationary, and the other is pivotally rotatable, said stationary urging block fixed firmly with a plate fixed at one side of said side base, 15 said rotatable urging block pivotally connecting said urging block with the other side of said side base, a stop provided to rest on a side of said base and extends downward from the pivot point so as to limit said rotatable urging block to rotate inward, and a buffer spring fitted around said screw of said side base for 20 inward rotation of said urging blocks and buffering the pressure of said urging blocks.

6. The locking device for a plane machine as claimed in Claim 1, wherein each said urging block has 25 its outer wall edge formed to have its front portion properly sloped to guide each said post to move smoothly into said urging surface of each said urging block.